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| FEE DETERMINATION         | My       |        | 6/1/10   |
| O.I.P.E. CLASSIFIER       | Viv      |        | 7-1-00   |
| FORMALITY REVIEW          | M.H.     | 625    | 08-09-00 |
| RESPONSE FORMALITY REVIEW | JK       | 835    | 01/05/01 |
| \$1.                      |          |        |          |

## **INDEX OF CLAIMS**

| , |                   | Rejected   | N | Non-elected  |
|---|-------------------|------------|---|--------------|
|   |                   | -          | İ | Interference |
| _ | (Through numeral) | Canceled   |   | Appeal       |
| ÷ |                   | Restricted | 0 | Objected     |

| ş'n |              |                 |                     |                       |                 | =   |                 |                |          |      |             | Allov    | ved          |          |                 |          | į   |              |           |          |          |          | . Inte   |          | nce      |               |                |  |               |  |  |          |
|-----|--------------|-----------------|---------------------|-----------------------|-----------------|-----|-----------------|----------------|----------|------|-------------|----------|--------------|----------|-----------------|----------|-----|--------------|-----------|----------|----------|----------|----------|----------|----------|---------------|----------------|--|---------------|--|--|----------|
|     |              |                 |                     | اہ                    |                 | _   | (Th             | rou            | ah r     | iume | eral)       | Canc     | eled         |          |                 |          | Α   |              |           |          |          |          | . App    | eal      |          |               |                |  |               |  |  |          |
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| 12  |              |                 | ō                   | ν-                    |                 |     |                 |                |          |      |             |          |              |          |                 |          |     |              |           |          |          |          |          |          |          |               |                |  |               |  |  |          |
| 3   | Cla          | im l            | <u>6</u>            | $\vec{n}$             |                 | Dat |                 |                |          |      | C           | aim      |              |          |                 | Da       | ite |              |           |          | _        | Cla      | im       |          |          |               | Date           |  |               |  |  |          |
| -   | - 1          |                 | <u> </u>            | ~                     |                 |     | Ť               |                | Т        | Т    |             |          | T            | T        | $\neg$          | T        | T   | Π            |           | $\top$   | ┨        | _        |          |          | $\Box$   | T             | Т              | T  |               | Т  | $\top$   |          |
|     | _            | riginal         | 2                   | Be                    |                 | 1   |                 |                | ĺ        |      | _           | Original | - 1          |          |                 |          |     |              |           | ĺ        | ŀ        | _        | Original |          |          |               |                |  |               |  |  | •        |
| 2   | Final        | 2               | 3                   | 7                     |                 |     |                 |                |          |      | Final       | Ę        | -            |          |                 |          |     |              |           |          | ļ        | 1 🏻      | ŏ        |          |          | ļ             |                |  |               |  | İ  |          |
|     | -            | 9               | $\overline{\nabla}$ | ∄                     | +               | -   | -               | +              | +        | +-   | -           | 51       | -            | +        | +               | -        | +-  | $\vdash$     | -         | $\dashv$ | -        |          | 101      | +        | $\neg$   | $\neg$        | ┪              | $\top$   | 十             | $\top$   | 十  |          |
| d   | 1            | 1               | <u>*/</u>           | ╧                     | +               | -   | -               | +              | +        | +-   | -           | 52       | +            | +        | +               | ╁        | +   | $\vdash$     | $\vdash$  | $\dashv$ | $\dashv$ |          | 102      |          | -        | +             | _              | 7  | $\top$        | +  | $\top$   | _        |
| · . | -            | 4               | 4                   | <b>/</b>              | +               |     | $\vdash$        | <del>-</del> - | +        | +    | -           | 53       |              | ┰        | +               | +        | +   | 1            | $\vdash$  | $\dashv$ | $\dashv$ |          | 103      |          | $\vdash$ | -             | +              | +  | +             | 十  | 十  |          |
|     |              | <del>&gt;</del> | <b>Y</b>            | <u> </u>              | +               | +   | $\vdash$        | +              | +        | +-   | -           | 54       | -+           | +        | -+              | +        | +-  | +            | $\vdash$  | -+       | $\dashv$ | -        | 104      | +        | $\vdash$ | +             | $\dashv$       | $\dashv$   | +             | +  | +  | _        |
|     | 0            | 5               | <del>/</del> /      | 7                     | +               | 4   | -               | +              | +        |      | -           | 55       | +            | $\dashv$ | +               | +        | +   |              | $\vdash$  | -        | ┪        |          | 105      | +        |          | $\dashv$      | _              | _  | _             | 十  | $\top$   | _        |
|     |              | -               | 4                   | $\checkmark$          |                 | +   | <del>   -</del> | +              | +        | +-   | -           | 56       |              | +        | $\dashv$        | ╁        | +-  | +            | $\vdash$  | +        | $\dashv$ | -        | 106      | +-       |          | +             | 7              | $\dashv$   | 寸             | $\top$   | 十  | _        |
|     | H            | 7               | <b>√</b>            | <u> </u>              | -               | +   | -               | +              | ╁        | +-   | -           | 57       | -            | +        | +               | -        | +   | +            |           | $\dashv$ | _        | $\vdash$ | 107      | $\top$   |          | 十             | 寸              | 1  | $\top$        | 寸  | 十  | _        |
|     | 0.           | -8              | <del>'</del> /      | -                     | +               | +   | $\vdash$        | +              | ┿        | +    | ▎├          | 58       | -            | $\dashv$ | +               | +        | +-  | +            | Н         | $\vdash$ | -        |          | 108      | 1        |          |               | 1              |  | $\top$        | 十  | 十  | _        |
|     | VE           | 9.              | <del>'</del>        | 7                     |                 | +   | $\vdash$        | +              | +        | +    | <b>┤</b> ├  | 59       | H            | +        | 十               | +-       | 十   | +            | -         |          | $\dashv$ | -        | 109      |          | $\Box$   | $\dashv$      | ヿ              | +  | $\top$        | $\dashv$   | $\top$   | _        |
|     | Н            | _               | 1                   | ╧┼                    | +               | +   | ╁╌┼             | $\dashv$       | +        | +    | 1 -         | 60       |              | -+       | +               | +        | +   | <del> </del> |           | $\vdash$ | $\dashv$ |          | 110      | +-       |          | $\neg$        |                | $\top$   | 寸             | 寸  | $\top$   | _        |
|     | Н            | 10<br>f1        | 4                   | <del>'  </del>        | +               | +   | ++              | -+             | +        | +-   | 1  -        | 61       | $\vdash$     | +        | 十               | +        | +   | T            | $\vdash$  | $\vdash$ | $\dashv$ |          | 111      | _        |          |               | 7              |  | $\top$        | $\dashv$   | $\top$   |          |
| -0- | $\vdash$     | 12              | <b>*</b> /          | $\frac{\checkmark}{}$ |                 | +   | ╁╌┼             | +              | +        | +-   | ┧┝          | 62       |              | _        | $\dashv$        | +        | ╈   | +            |           | $\Box$   | $\neg$   |          | 112      | 1        |          | 一             | $\neg$         |  | $\neg$        | $\exists$  | $\exists$  | _        |
| ž   | -            | 13              |                     | <b>/</b>              |                 | +-  | ++              | +              | +        |      | ┨           | 63       |              | $\dashv$ | $\dashv$        | ╁        | +   | +-           | $\vdash$  |          |          | $\vdash$ | 113      | ┪        | $\Box$   | _             | _              | ↰  | 7             | $\top$   | $\neg$   |          |
|     | ⊢            | 14              |                     | <del>/</del>          |                 | +   | ++              | +              | -        | +    | 1  -        | 64       | H            |          | +               | -        | 十   | +            | <u> </u>  | H        | ᅱ        |          | 114      | _        |          |               |                | 寸  | $\top$        | $\dashv$   | 十  | _        |
| 4   | 0            | 15              | <b>'</b>            | <b>√</b>              | +               | +-  | 1-1             | -+             | -        |      | ┨           | 65       | $\vdash$     | -+       |                 | +        | 十   | +            |           | $\vdash$ | _        |          | 115      | _        |          |               | T              | 7  | 十             | ヿ  | $\neg$   | _        |
| ,   | -            | 16              | <b>*</b> /          | 1                     | -+-             | +   | ++              | +              | +        | +-   | <b>┤</b> ├  | 66       | H            | +        | $\dashv$        |          | +   | +            | $\vdash$  |          | $\dashv$ |          | 116      | 1        | П        |               |                | $\neg$   | $\neg$        | 寸  | 寸  | _        |
| A.  | -            | 17              | 4                   | <b>/</b>              | $\dashv$        | +-  | +               | -+             | +        |      | 1  -        | 67       | $\vdash$     | $\dashv$ | +               | +        | +-  | +-           |           | H        | _        |          | 117      | 1        |          | $\neg$        |                | 1  | 寸             | _  | $\top$   | _        |
|     | -            | 18              | 7                   | <del>/</del>          | +               | +-  | +               | +              | +        |      | -           | 68       |              | -        |                 | ŧ        | +   | +            |           |          |          | 1        | 118      |          |          | 11            | - 1            |  |               | 1  |  | П        |
|     | -            | 19              | <b>Y</b>            | <b>V</b>              | +               | +-  | +               | -+             | +        | +-   | -           | 69       |              | -        | +               | +        | +   | +            | <b>-</b>  | $\Box$   | -        |          | 119      | $\neg$   |          |               | 1              |  | $\exists$     | 1  | $\neg$   | _        |
|     | -            | -               | 4                   | <b>V</b> /            | $\dashv$        | ╫   | +-+             | -+             | +        | +    | 1  -        | 70       | Н            | $\dashv$ | +               | +        | ╁   | +            | $\vdash$  | $\vdash$ | -        |          | 120      |          |          | _             | ヿ              |  | $\neg$        | 寸  | $\neg$   | _        |
|     | 6            | 20              |                     | $\vee$                |                 |     | ++              | -+             | -        | +    |             | 71       |              | $\dashv$ |                 | +        | +   | +            | ⊢         | ╁┤       | -        | $\vdash$ | 121      | +        | +        | $\dashv$      | -1             | 十  | $\dashv$      | 十  |  | -        |
|     |              | B               | $\mathbb{Y}$        |                       | -               |     | +               | -+             | -        |      | 1 -         | 72       |              | $\dashv$ | $\dashv$        | +        | ┿   | +-           | +-        | $\vdash$ |          | -        | 122      |          | $\vdash$ |               |                |  | $\dashv$      | -+   | $\dashv$   | -        |
|     | 2            | Z.              | 10                  |                       | -+              | -   | +               |                | -        |      | 1  -        |          |              | -        | +               | +        | +   | +            | -         | H        | $\dashv$ | $\vdash$ | 123      | +-       | +        | $\dashv$      | $\dashv$       | +  | $\dashv$      | $\dashv$   | $\dashv$   | -        |
|     |              | 23              |                     | <b>✓</b>              |                 |     | +               | -              | +        |      | + +         | 74       |              | $\dashv$ | +               | +        | +   | +            | $\vdash$  | ╁        | $\dashv$ |          | 124      |          | $\vdash$ | 7             | $\dashv$       | $\dashv$   | $\dashv$      | 寸  | $\dashv$   | _        |
|     | -            | 24              | •                   | <b>✓</b>              |                 | +   | +               | -+             |          |      | <b>-</b> }- | 75       | $\leftarrow$ | +        | $\dashv$        | +        | +   | ╁            | +         | $\vdash$ | $\neg$   |          | 125      | +        |          |               | _              | $\dashv$   |               | $\dashv$   | 7  |          |
|     | -            | 25              |                     |                       | -+              |     | +               | $\dashv$       | +        |      | 1  -        | 76       |              | $\dashv$ | +               | $\dashv$ | +   | +            | ╁         | Н        | -        | -        | 126      | +        | $\Box$   |               |                | 7  | $\neg$        | 寸  |  | _        |
|     | -            | 26              | ⊬                   | Н                     | +               | -   | +               | $\dashv$       | +        | +    | ┨ ├         | 77       |              | $\dashv$ | $\dashv$        | $\dashv$ | +   | ╫            | ┢         | $\vdash$ | $\dashv$ |          | 127      |          | $\vdash$ | $\dashv$      | 1              | 1  | $\dashv$      | 寸  | ヿ  | _        |
|     | -            | 27              | ├                   | $\vdash$              | +               |     | +               |                | $\dashv$ |      |             | 78       |              | $\vdash$ |                 | +        | +   | +            | +         | H        | $\dashv$ |          | 128      |          |          |               |                |  | $\rightarrow$ | 十  | $\dashv$   | _        |
|     | $\vdash$     | 28<br>29        | ├                   | Н                     |                 | -   | ╌               | -              | -+       |      |             | 79       |              | $\vdash$ |                 | -        | +   | +-           | ┢         | H        | -        | -        | 129      |          | Н        |               |                | 1  | 寸             | _  | 寸  | _        |
|     | <del>-</del> |                 |                     | -                     | -               | +-  |                 | $\dashv$       | $\dashv$ | +    | ┨╟          | 80       | _            | $\vdash$ | +               | +        | +   | ╁╌           | +-        | +        | $\dashv$ |          | 130      | +-       |          |               |                | 一  | 一             | 寸  | _  | _        |
|     | $\vdash$     | 30<br>31        |                     | $\vdash$              |                 | +   | +               | -              | $\dashv$ | +    | 1 -         | 81       |              | Н        | $\dashv$        | +        | +   | +            | +         | Н        | -        |          | 131      |          |          |               |                | $\dashv$   | $\dashv$      | $\neg$   | $\neg$   | _        |
|     | $\vdash$     |                 |                     |                       | -+              | -   | +               |                | +        | - -  | ┨           | 82       | -            | H        | $\dashv$        | +        | +   | +-           | $\vdash$  | Н        | -        |          | 132      |          | $\vdash$ |               |                | $\dashv$   | $\dashv$      | $\neg$   | $\neg$   | _        |
| 1   | 4_           | 32              |                     |                       |                 | +   | +               | $\dashv$       | $\dashv$ | +-   | 1 1         | 83       |              | Н        | +               | $\dashv$ | +   | +            |           | Н        | $\dashv$ |          | 133      |          | $\top$   |               |                |  | コ             | T  | T  | _        |
| ,   | -            | 34              |                     | Н                     |                 |     | +-              | -              | +        |      | 1           | 84       |              | H        | $\dashv$        | +        | +   | +-           |           | +        |          |          | 134      |          |          |               |                |  | $\exists$     | T  |  | _        |
|     | -            | 35              |                     | $\vdash$              | $\dashv$        |     | +               |                | +        |      | 1 1         | 85       |              | $\vdash$ | _               | $\dashv$ | +   | -            |           | ╁        |          |          | 135      |          | 1        |               |                |  | コ             | ヿ  | $\Box$   | _        |
|     | -            | 36              |                     | Н                     | -+              | +   | +               | $\dashv$       | +        |      | 1           | 86       |              | H        |                 | +        | +   | +-           | 1         |          |          |          | 136      |          |          |               | Г              |  | $\neg$        |  |  | _        |
|     | $\vdash$     | 37              |                     | $\vdash$              | $\dashv$        | +   |                 |                | -+       | +    | 1           | 87       | -            |          | -               | $\dashv$ | +   | +            |           | t        |          |          | 137      |          |          |               | _              |  |               | $\neg$   |  | _        |
|     | 1            | 38              | +                   |                       |                 | +   | +               | $\vdash$       | $\dashv$ |      | 1           | 88       | _            |          |                 |          | +   | +            | $\vdash$  | ╁        |          |          | 138      |          |          |               |                |  |               | $\sqcap$   |  | Г        |
|     | $\vdash$     | 39              | -                   | -                     |                 | +-  | +               | $\vdash$       | $\dashv$ |      | 1           | 89       |              |          |                 | 1        |     |              | -         |          |          |          | 139      | 1        |          |               |                |  |               |  |  |          |
|     | $\vdash$     | 40              | -                   | -                     | $\dashv$        |     | +               |                | -+       | +    | 1           | 90       |              |          | $\neg$          | +        | +   |              | $\dagger$ | +        | $\neg$   |          | 140      | $\neg$   | T        |               |                |  |               |  | П  | Γ        |
|     | $\vdash$     | -               | _                   | -                     |                 |     | +-              | H              |          |      | ┥┝          | 91       |              | -        | $\dashv$        | $\dashv$ | +   | +            | +-        | ╁        | Н        |          | 141      |          | +        | -             |                |  |               | $\Box$   | П  | r        |
|     | _            | 41              | 1_                  |                       | $\dashv$        | +   | -               | $\vdash$       | $\dashv$ | -    | -{ }        | 92       |              |          | $\vdash$        | +        | +   | +            | +-        | +-       | H        | $\vdash$ | 142      | -        | +        | -             |                | $\vdash$   |               | Н  | $\vdash$   | 广        |
|     | -            | 42              |                     |                       | $\dashv$        |     | -               | $\vdash$       | -        | -    | -  ├        | 93       |              | -        | $\vdash$        | +        | -   | +            | +         | +-       | Н        | -        | 143      | _        | +-       | -             | -              |  | $\vdash$      | Н  | $\vdash$   | $\vdash$ |
|     | <u>_</u>     | 43              | +-                  | <b>├</b> -            | $\vdash \dashv$ | - - | +               |                | -+       |      | ┥ ┝         |          |              | $\vdash$ | $\vdash \vdash$ | $\dashv$ | -+  | ╁            | +-        | +        | H        | -        | 144      | +        | +        | 1             | <del>  -</del> | <del>                                     </del> | $\vdash$      | H  | $\vdash$   | $\vdash$ |
|     | <u> </u>     | 44              |                     | ↓_                    |                 | +   | -               | $\vdash$       |          |      | 4 -         | 9        |              | $\vdash$ |                 | $\dashv$ | +   | +            | +         | +        | H        | -        | 145      | +        | +        | $\vdash$      |                | -  | М             | ٢  | $\vdash$   | H        |
|     | $\vdash$     | 45              | _                   |                       | $\vdash$        |     | +-              | $\vdash$       |          | -    | -   -       | 9:       | -            | +        |                 |          | +   | +            | +         | +        | H        | $\vdash$ | 146      | +        | +        | $\vdash$      | -              | -  | Н             | <del>  </del>                                    | $\vdash$   | $\vdash$ |
|     | 1            | 46              |                     | -                     | <b>├</b>        | +   | +               |                |          | +    | -   -       | 9        | <del></del>  | +        |                 |          | +   | +-           | +         | +        | Н        | -        | 147      | $\dashv$ | +        | +             | +-             | -  |               |  | Н  | H        |
|     | _            | 47              |                     | -                     | _               | +   |                 | -              |          |      | -   -       | 9        |              | +-       | $\vdash$        | $\dashv$ | +   | +            | +         | +-       | H        | -        | 148      | +        | +        | <del> -</del> | -              | $\vdash$   | $\vdash$      | ╁  | $\vdash$   | t        |
|     | $\vdash$     | 48              |                     | ـ                     | $\vdash$        |     | +               | -              | $\vdash$ | -    | -           | 9        |              | ├-       | H               | +        | -+  | +            | +-        | +        | Н        | <br> -   | 149      |          | +-       | +-            | $\vdash$       | <del> </del>                                     | $\vdash$      | <del>                                     </del> | Н  | +        |
|     | Ŀ            | . 49            |                     | ــ                    | $\vdash \vdash$ | +   | +               | -              | $\vdash$ | +    | -   -       | 10       |              | +-       | $\vdash$        | -        | +   |              | +         | +-       | $\vdash$ | -        | 150      | +        | +        | +-            | 1              |  | $\vdash$      | $\vdash$   | <del>                                     </del> | +        |
|     |              |                 |                     |                       |                 |     |                 |                |          |      |             |          |              |          |                 |          |     |              |           |          |          |          |          |          |          |               |                |  |               |  |  |          |

If more than 150 claims or 10 actions staple additional sheet here

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